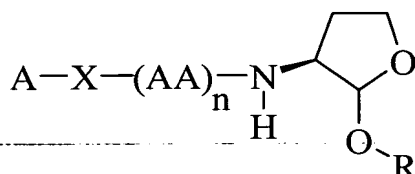


ABSTRACT

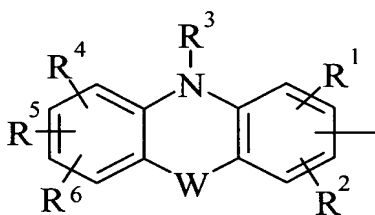
The invention relates to derivatives of 2-hydroxytetrahydrofuran corresponding to general formula (I)



(I)

in which

5 A represents the



radical, in which R^1 , R^2 , R^4 , R^5 and R^6 represent (in particular), independently, H, a halogen atom, OH, alkyl or alkoxy, R^3 represents H, alkyl or $-COR^{10}$, R^{10} representing H, alkyl or alkoxy, and W represents a bond, $-CH_2-CH_2-$, $-CH=CH-$, $-O-$, $-S-$ or $-NR^{11}-$ in which R^{11} represents H or alkyl;

10 X represents $-CO-$, $-Y-CO-$, $-O-Y-CO-$ or $-NR^{12}-Y-CO-$, Y represents an alkylene or haloalkylene alkyl, R^{12} represents H, alkyl or $-COR^{13}$, R^{13} represents H, alkyl, haloalkyl or alkoxy,

AA represents, each time that it occurs, a natural or non-natural amino acid;

n represents 2 or 3; and finally

15 R represents H, alkyl or $-CO-R^{19}$, R^{19} representing alkyl.

These compounds have a calpain inhibiting activity and/or an activity which traps the reactive oxygen species and can be used for preparing a medicament intended to treat the inflammatory and immunological diseases, cardio-vascular and cerebro-vascular diseases, disorders of the central or peripheral nervous system, osteoporosis, muscular dystrophy, proliferative diseases, cataract, rejection reactions following organ transplants and autoimmune and viral diseases.

20